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ABSTRACT:

An inspection system is described, which utilizes multi-perspective imaging. Each perspective provides a data stream relating to locations inspected. The data stream of each perspective is compared to a corresponding data stream obtained from a memory. The corresponding stream of the memory was generated either from a database or from a scan of a corresponding pixel on a different location on the inspected object. The difference between each pixel of the data stream and the corresponding pixel obtained from memory is checked against a threshold to determine if it indicates a defect. A variable threshold is also disclosed, according to which each of the pixels is inspected and categorized as belonging to a specific type. The specific type assigned to the pixel determines the appropriate threshold to be used. This allows setting low threshold in relatively quite areas, and higher threshold in relatively noisy areas of the inspected object.